

Converting Colors

CIELCh(90, 95.464, 135.436)

Have a look what the booklet for
CIELCh(90, 95.464, 135.436)
contains.

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Color

CIELCh(90, 94.996, 135.439)

Conversions

Conversions Part 1

Format	Color
Hex	74FF57
RGB	116, 255, 87
RGB Percent	45%, 100%, 34%
CMY	0.5463, 0.0000, 0.6603
CMYK	0.55, 0.00, 0.66, 0.00
HSL	110°, 100%, 67%
HSV	110°, 66%, 100%
XYZ	44.8317, 76.3034, 21.3010
YIQ	194.2870, -28.9160, -81.7160

Conversions

Conversions Part 2

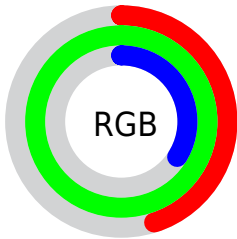
Format	Color
RYB	87, 255, 226
Decimal	7667543
CIELab	90.00, -67.69, 66.66
CIElCh	90, 94.996, 135.439
Yxy	76.3034, 0.3147, 0.5357
Android (android.graphics.Color)	4285857623 (0xFF74FF57)
YUV	194.2870, -52.8925, -68.6577
Hunter-Lab	87.3518, -61.2537, 46.6882

Details

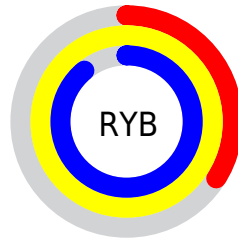
The CIELCh color **90, 94.996, 135.439** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **62, 95.870, 322.183**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 63.074, 133.129**, and **70, 94.477, 135.448** is the 20% darker color. If you saturate the color by 10%, you get **89, 104.959, 134.941**, and if you desaturate by 10%, it is **91, 82.433, 136.100**.

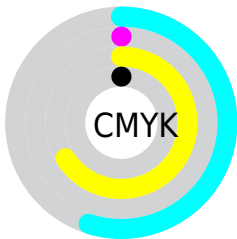
Distribution



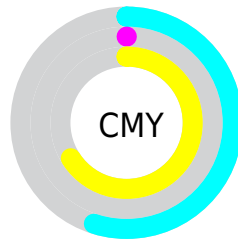
- Red (45%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 94.996, 135.439 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 94.996, 135.439 by changing the saturation by 10% instead.


 90, 94.996,
135.439


 90, 94.996,
135.439

 100, 94.996,
135.439


 80, 94.996,
135.439


 70, 94.996,
135.439

 60, 94.996,
135.439


 50, 94.996,
135.439

 40, 94.996,
135.439


 30, 94.996,
135.439

 20, 94.996,


135.439


 10, 94.996,
135.439


 0, 94.996, 135.439


 90, 94.996,
135.439

 90, 94.996,
135.439


 89, 104.959,
134.941


 91, 82.433,
136.100


 88, 112.582,
134.762

 92, 68.809,
136.831

 88, 117.152,
134.984

 93, 54.325,
137.552

 88, 118.321,
135.115

 95, 39.361,
138.223

■ 97, 24.201,
138.826

■ 99, 9.052, 139.369

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 94.996, 135.439



62, 95.870, 322.183

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 94.996, 135.439



90, 94.996, 185.439



90, 94.996, 315.439



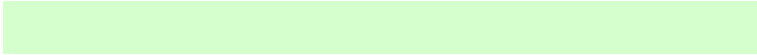
90, 94.996, 5.439

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 94.691, 135.432



96, 30.230, 138.595



90, 68.781, 93.487



51, 20.633, 138.424



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 94.691, 135.432



89, 107.527, 134.850



90, 79.508, 147.708



52, 8.557, 139.184



68, 95.123, 134.975



23, 42.469, 134.386

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62, 95.870, 322.183



57, 108.138, 322.219



64, 78.701, 340.807



50, 8.600, 320.037



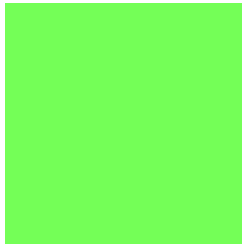
40, 94.500, 321.661



10, 43.358, 322.414

Previews

White Background



This preview shows how the CIE LCh color 90, 94.996, 135.439 looks on a white background.

Color Contrast Check

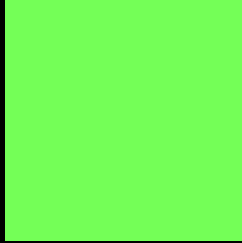
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 94.996, 135.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 94.996, 135.439

Background



This preview shows how black text looks on a background with the CIELCh color 90, 94.996, 135.439.

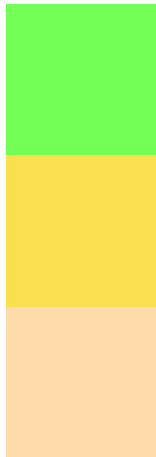


This preview shows how white text looks on a background with the CIELCh color 90, 94.996, 135.439.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90, 94.525, 135.441

Protanopia

89, 71.651, 95.314

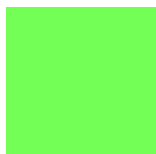
Deuteranopia

89, 29.082, 77.683

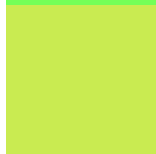


Tritanopia
89, 25.635, 219.595

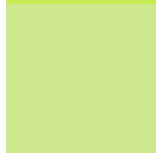
Trichromacy



Original Color
90, 94.525, 135.441



Protanomaly
88, 75.139, 114.922



Deuteranomaly
88, 47.458, 119.381

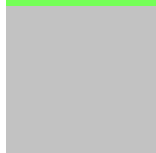


Tritanomaly
89, 43.194, 159.737

Monochromacy



Original Color
90, 94.525, 135.441



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 37.228, 137.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 94.996, 135.439 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 94.996, 135.439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 255, 87) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(116, 255, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(116, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 94.996, 135.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
255, 87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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